

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:  
**Thomas O'Brien et al.**

Filed: **September 23, 2003**

Serial No.: **10/668,911**

Title: **"Permanent Seafloor Seismic  
Recording System Utilizing Micro  
Electro-Mechanical Systems  
Seismic Sensors and Method of  
Same"**

§  
§ Confirmation No.: **2533**  
§  
§ Art Unit: **3662**  
§  
§ Examiner: **Ian J. Lobo**  
§  
§ Docket No.: **IO-1089US**  
§  
§  
§

REQUEST

Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:


This Request is being filed with the payment of the issue fee in the above-identified application.

Applicants respectfully request that the Examiner provide and make of record an initialed and signed form 1449 regarding the IDS filed on August 6, 2004. Applicant submits herewith a copy of the Information Disclosure Statement ("IDS") and of the postcard showing that the IDS was received in the Patent and Trademark Office August 9, 2004. Also submitted is a printout of the USPTO PAIR transaction history showing the IDS was made of record on August 6, 2004.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 13-0010 (IO-1089US).

Respectfully submitted,

Date: June 7, 2005


  
Todd A. Bynum, Registration No. 39,488  
Madan, Mossman & Sriram, P.C.  
2603 Augusta Drive, Suite 700  
Houston, Texas 77057  
Telephone: 713/266-1130

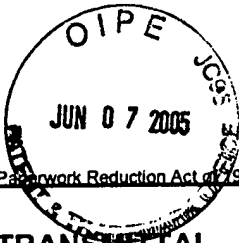
Request

**CERTIFICATE OF MAILING**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, Express Mail Label No. EV611808038US, on the date indicated above, addressed to: MS: Issue Fee, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450.

Date: June 7, 2005

  
Beth Pearson-Naul



PTO/SB/21 (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

3

Application Number

10/668,911

Filing Date

September 23, 2003

First Named Inventor

Thomas E. O'Brien et al.

Art Unit

3663; Confirmation No.: 2533

Examiner Name

N/A

Attorney Docket Number

IO-1089US

**ENCLOSURES (Check all that apply)**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Group                            |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):            |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              | Postcard   |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> Request for Refund                               |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    |   |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |  |

**Remarks**

The commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account No. 13-0010 (IO-1089US)

COPY

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm  
or  
Individual name

Todd A. Bynum, Reg. No. 39,488

Signature

Date

August 6, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name

Beth Pearson-Naul

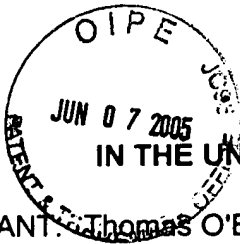
Signature

Date

August 6, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Thomas O'Brien et al.

SERIAL NO.: 10/668,911

FILED: September 23, 2003

TITLE: "Permanent Seafloor Seismic  
Recording System Utilizing Micro  
Electro-Mechanical Systems  
Seismic Sensors and Method of  
Deploying Same"

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Group Art Unit: 3663

Examiner: N/A

Confirmation No.: 2533

Atty Docket No.: IO-1089US

Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

COPY

INFORMATION DISCLOSURE STATEMENT

Dear Sir:


In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56(a) exists. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the information disclosure statement (PCT/US03/30174; May 18, 2004).

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 13-0010 (IO-1089US).

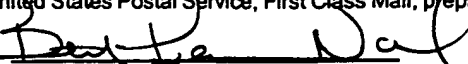
Respectfully submitted,

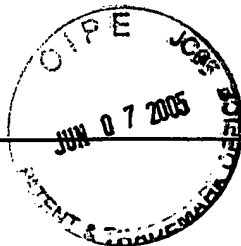
Dated: August 6, 2004

  
Todd A. Bynum, Reg. No. 39,488  
Madan, Mossman & Sriram, P.C.  
2603 Augusta, Suite 700  
Houston, Texas 77057  
Telephone: (713) 266-1130  
Facsimile: (713) 266-8510

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §18(a)**

I hereby certify that this paper, along with any referred to as being attached or enclosed, is being forwarded to Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450, via the United States Postal Service, First Class Mail, prepaid on the 6th day of August, 2004.

  
Beth Pearson-Naul



## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

IO-1089US

SERIAL NO.

10/668,911

APPLICANT

Thomas O'Brien et al.

FILING DATE

September 23, 2003

GROUP / CONFIRMATION

N/A / N/A

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,396,472	03/95	Paffenholz	367	24	09/93
	AB	5,481,502	01/96	Cretin et al.	367	77	04/93
	AC	6,255,962	07/01	Tanenhaus et al.	340	870.05	05/98
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
	AH							
	AI							
	AJ							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AK	
	AL	
	AM	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant



COPY

DOCKET NO.: IO-108945  
SERIAL NO.: 10/668,911  
DATE MAILED: 8-6-04  
DATE DUE: 8-18-04  
APPLICANT: O'Brien et al.  
TITLE: Permanent Seafloor Seismic Recording System Utilizing Micro Electro-

The Patent & Trademark Office acknowledges receipt of and has stamped hereon the date of receipt of the items checked below:

- ☐ Patent Application: ☐ UTILITY / CONTINUATION  
☐ PROVISIONAL ☐ RCE ☐ CIP  
☐ DIV ☐ PCT  
Cover Pg. 1 Total No. Pages 1  
Specification 1 pages Claims 1 pages  
Abstract 1 pages
- ☐ Fee Transmittal No. SB/17  
(Charge Deposit Acct:                     )
- ☐ Utility Application Transmittal No. SB/05  
☐ Provisional Application Transmittal No. SB/16  
(Charge Deposit Acct:                     )
- ☐ 1 Sheets of Drawing(s) Formal ☐ Informal
- ☐ Trademark/Service Mark Application ( 1 no. of pages)  
ITU                      Use-Based
- ☐ Statement of Use  
☐ Request for Extension of Statement of Use  
☐ Specimens                       
☐ Drawing Sheet  
☐ Amendment                      Preliminary                      After NOA                      After Final                       
☐ Appeal Notice  
☐ Assignment and Recordation Cover Sheet  
☐ Declaration & Power of Attorney
- ☒ Information Disclosure Stmt-Form 1449 (w/ 1 references)  
☐ Supp. Information Disclosure Stmt-Form 1449 (w/                      refs.)  
☐ Issue Fee - Base/Balance ☐ Fee for Advance Copy(ies)  
☐ Change of Correspondence Address  
☐ Petition for                       
☐ Petition for Extension of Time  
☐ Power of Atty                      Original                      Substitute                      Associate                       
☐ Response to
- ☒ Transmittal Form No. SB/21  
☐ Check No.                      in the amount of \$                       
☒ Other: EOS Transmittal

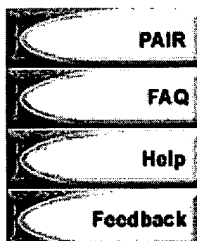
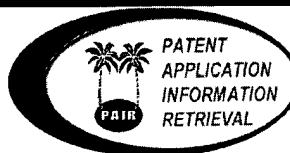
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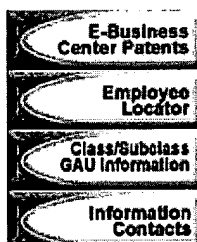
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## PATENT APPLICATION INFORMATION RETRIEVAL



## Other Links



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Search results as of: 6-7-2005::12:26

## Search results for application number:10/668,911

Application Number:	10/668,911	Customer Number:	24923
Filing or 371(c) Date:	09-23-2003	Status:	Allowed -- Notice of Allowance Mailed -- Issue Revision Completed
Application Type:	Utility	Status Date:	03-07-2005
Examiner Name:	LOBO, IAN J	Location:	ELECTRONIC
Group Art Unit:	3662	Location Date:	-
Confirmation Number:	2533	Earliest Publication No:	US 2004-0156267 A1
Attorney Docket Number:	IO-1089US	Earliest Publication Date:	08-12-2004
Class/ Sub-Class:	367/015	Patent Number:	-
First Named Inventor:	Thomas O'Brien, Sugar Land, TX (US)	Issue Date of Patent:	-
Title Of Invention:	PERMANENT SEAFLOOR SEISMIC RECORDING SYSTEM UTILIZING MICRO ELECTRO-MECHANICAL SYSTEMS SEISMIC SENSORS AND METHOD OF DEPLOYING SAME		

Select Search Option

☐ Assignments  
☐ Continuity Data  
☐ Display References  
☐ Image File Wrapper  
☐ Patent Term Adjustment History  
☐ Publication Review

## File History

Date	Contents Description
04-05-2005	Workflow - File Sent to Contractor
03-07-2005	Mail Notice of Allowance
03-07-2005	Mail Examiner's Amendment
03-04-2005	Issue Revision Completed
03-04-2005	Examiner's Amendment Communication
03-04-2005	Notice of Allowance Data Verification Completed
03-04-2005	Case Docketed to Examiner in GAU
02-28-2005	Notice of Allowability

12-23-2004	Date Forwarded to Examiner
12-14-2004	Response after Non-Final Action
12-14-2004	Request for Extension of Time - Granted
12-14-2004	Workflow incoming amendment IFW
08-09-2004	Reference capture on IDS
✓ 08-09-2004	Information Disclosure Statement (IDS) Filed
08-11-2004	Mail Non-Final Rejection
08-09-2004	Non-Final Rejection
08-04-2004	Case Docketed to Examiner in GAU
07-06-2004	Case Docketed to Examiner in GAU
06-07-2004	Case Docketed to Examiner in GAU
06-07-2004	IFW TSS Processing by Tech Center Complete
01-12-2004	New or Additional Drawing Filed
05-03-2004	Application Return from OIPE
05-03-2004	Application Is Now Complete
05-03-2004	Application Return TO OIPE
05-03-2004	Application Return from OIPE
05-03-2004	Application Return TO OIPE
05-03-2004	Application Dispatched from OIPE
05-03-2004	Application Is Now Complete
04-19-2004	Additional Application Filing Fees
04-19-2004	An assertion that the nature of the legal entities having property right in the invention is not sufficient to authorize the filing of a patent application
04-19-2004	A statement by one or more inventors satisfying the requirement under 35 U.S.C. 115, Oath of the Applicant
12-17-2003	Notice Mailed--Application Incomplete--Filing Date Assigned
12-04-2003	Cleared by OIPE CSR
11-15-2003	IFW Scan & PACR Auto Security Review
09-23-2003	Initial Exam Team nn

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